

SEQUENCE LISTING

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SEQ ID NO:5

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SEQ ID NO:10

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SEQ ID NO:11

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SEQ ID NO:12

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SEQ ID NO:13

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SEQ ID NO:16

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SEQ ID NO:17

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SEQ ID NO:18

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SEQ ID NO:19

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5 SEQ ID NO:25

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SEQ ID NO:26

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SEQ ID NO:27

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SEQ ID NO:28

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SEQ ID NO:29

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50 SEQ ID NO:38

50 MVMEVGILDAGGLRALLREGAAQCLLLDCRSFFAFNAGHIAGSVNVRFSTIVRRRAKGAMGLE
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AFSASCPELCSKQSTPTGLSLPLSTSVPDASGSCSSCSTPLYDQGGPVEILSFLYLGSAYHASRK
DMLDALGITALINVSANCPNHFEGHYQKSIPIVDENHKA DISSWFNEAIDFIDSIKDAGGRVVFVH
55 CQAGISRATICALAYLMRTNRVKLDEAFEVVKQRSSIIPNFSFMGQLLQFESQVLAPHCSAEAG
SPAMAVLDRGTSTTTVFNFVPSIPVHPTNSALNYLKSPITTSPPC

SEQ ID NO:39

5 ataccatcaaatgaagcaccaagacaactgtgtgagcggccctgggctggtcattcttaataatgccaatcttactgctctgattccttaggatcc
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SEQ ID NO:40

25 MTLNNVTMRQGTVMQPQQRWSMPADARHLMVQKDPHPCNLRNRHSTAPEEHCRRTWSSDS
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IILLDMWENKGENEWLHDHCMQVGDAYLIVYSITDRASFEEKASELRIQLRRARQTEDIPIILVGN
30 KSDLVRCREVSVSEGRACAVVFDCKFIETSAAVQHNVKELFEGIERQVRLPRDSKEKNERRLAY
QKRRESIPRKARRFWGKIVAKNNKNMASSSKSKSCHDLSVL

SEQ ID NO:41

35 tateccgctgttgctgcaagccggctgcactctagttggccatgaagacccagcacagcggctgcacctcttccactgttggtgctgctttgtggtgagt
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SEQ ID NO:42

50 MKTPAQRLHLLPLLLLLCGECAQVCGCNETGMLERLPRCGKAFADMMQKVAVWKWCNLSEFI
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SEQ ID NO:43

55 atgctcaacaagaagcaagaattcaaaagagtgccagggtctggctgtgttcgaaaccttgggaacacgtgcttcatgaactcaattcttcagtgccctga
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SEQ ID NO:44

15 MLNKAKNKSKSAQGLAGLRNLGNTCFMNSILQCLSNTREL RDYCLQRLYMRDLGHTSSAHTAL
MEEFAKLIQTIWTSSPNDVVPSEFKTQIQRYAPRFMGYNQQDAQEFLRFLLDGLHNEVNRVAA
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LPIAKRGYPEVTLMDCMRLFTKEDILDGDEKPTCCRCRARKRCIKKFSVQRFPKILVLHLKRFSE
SRIRTSKLTTFVNFPLRDLREFASENTNHAVNYLYAVSNHSGTTMGGHYTAYCRSPVTGEW
20 HTFNDSSVTPMSSSQVRTSDAYLLFYELASPPSRM

SEQ ID NO:45

25 gcggagcgtgagctgtgcgagcgagcgagcgcgagcatagcctgcgagcgagcagagagagaaagagcaggggcaagagagcgggcgaggcgcc
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SEQ ID NO:46

55 MSTAGVAAQDIRVPLKTGFLHNGQALGNMKS CWGSHSEFENNFLNIDPITMAYNLNSPAQEHL
TTVGCAARSAPGSGHFFAECGPSRSSLPLVISPESSGQREEDQVMCGFKKLSVNGVCTSTPPL

5 TPIKSCSPFPFCAALCDRGSRLPLPISEDLVCVDEADSEVELLTTSSDIDLLED SAPSDFKYDAP
GRRSFRGCGQINYAYFDSPTVSVADLSCASDQNRVVPDPNPPPPQSHRRLRRSHSGPAGSFNKP
AIRISSCTHRASPSSDEDKPEVPPRVPIPPRPAKPDYRRWSAEVTSNTYSDEDPPKVPVPPREPLSR
NSRTPSPKSLPSYLNQVMPPTQSFAPDPKYVSSKALQRQSSEGSANKVPCILPIENGKKVSSTHY
YLLPERPPYLDKYEKYFKEAEETNPSTQIQPLPAACGMASATEKLASRMKIDMGSHGKRKHL
VVSP

SEQ ID NO:47

10 atggctgaacaacttctcctcagcgttattgagcaaatatgcggaaagctgtgaagatacagagagaacccagaagacatttcaaacctaccaa
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35 SEQ ID NO:48

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LCSTLKETDTRNFKFRWQLESLSQSFEVETGLCYDTRNWNDEWDNLVKMASADTPAARSLQ
40 YNSLEEIHIFVLSNILRRPIVISDKMLRSLESGSNFAPLKVGGIYLPWHWAQECYRYPIVLGYDS
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DHGTHHLINAAKLDEANLPKEINLVDDYFELVQHEYKKWQENSQARRAAHAQNPLEPSTPQL
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45 CLQDVTRTFNGICSTCFKRTTAEPSSSLTSSIPASCHQRSKSDPSQLIQSLTPHSCHRTGNVSPSGC
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50 SEQ ID NO:49

55 ttttttcatacttgataaaattttttaaaaaaaagagaataataatttatacccttgacaaaataaaagactttataatataaatgtttcttagaaaatatatga
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